**BRUHAT BANGALORE MAHANAGARA PALIKE**

TENDER DOCUMENT – KW3

(WORKS COSTING MORE THAN Rs. 50 LAKHS & BELOW Rs. 100 LAKHS)

**Name of work: -** Estimation for requirement of amenities to Setting up the Dialysis unit at Prakashnagar urban Primary Health Care Centre at Ward No.98 and Dr. Ambedkar Day care Centre Srirampura at Ward No.97 Dayananda Nagara Rajaji Nagara Constituency, Bengaluru

**Estimate Cost Rs.72.95 Lakh**

Office of the Executive Engineer-3,
Health and Sanitation,
Behind Dasappa Hospital Premises,
N.R.Square, Bengaluru-560002

**Bruhat Bangalore Mahanagara Palike**

Office of the Executive Engineer-3,Health and sanitation, Behind Dasappa Hospital Premises, N.R.Square, Bengaluru-560002.

**TENDERS FOR THE WORK OF**

## Estimation for requirement of amenities to Setting up the Dialysis unit at Prakashnagar urban Primary Health Care Centre at Ward No.98 and Dr.Ambedkar Day care Centre Srirampura at Ward No.97 Dayananda Nagara Rajaji Nagara Constituency, Bengaluru

| | | |
|---|---|---|
| TENDER REFERENCE | : | **EE-3/ H&S /TEND/06/2024-25 Dt:-07.01.2025** |
| DOWNLOADING OF TENDER DOCUMENT | : | **09.01.2025 16.00 Hrs** |
| LAST DATE AND TIME FOR SUBMISSION OF TENDERS | : | **24.01.2025 16.00 Hrs** |
| TIME AND DATE OF OPENING OF TECHNICAL BID OF TENDERS | : | **27.01.2025 16.30 Hrs** |
| PLACE OF OPENING OF TECHNICAL BID | : | Office of the Executive Engineer-3, Health and Sanitation, Dasappa Hospital Premises, N.R.Square, Bengaluru-560002. |
| TIME AND DATE OF OPENING OF FINANCIAL BID | : | Will be intimated to the Qualified Tenderers |
| PLACE OF OPENING OF FINANCIAL BID | : | Will be intimated to the Qualified Tenderers |
| ADDRESS FOR COMMUNICATION | : | Office of the Executive Engineer-3 Health and Sanitation, Behind Dasappa Hospital Premises, N.R.Square, Bengaluru-560002. |
| EMAIL | : | ee3swmbbmp@gmail.com |

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**SECTION 1:** INVITATION FOR TENDERS (IFT)

**BRUHAT BANGALORE MAHANAGARA PALIKE**
**Office of the Executive Engineer-3 Health and Sanitation, Behind Dasappa Hospital Premises, N.R.Square, Bengaluru-560002.**

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No: EE-3/H&S/TEND/ 06/2024-25 Date: 07.01.2025

**SHORT TERM**
**INVITATION FOR TENDER (IFT)**
**(Two Cover System)**
**(Through GOK e – Procurement Portal Only)**

1. The Executive Engineer-3, Health and Sanitation on behalf of the Chief Commissioner, Bruhat Bangalore Mahanagara Palike (BBMP), invites Proposals (Technical and Financial) for appointing Contractor for **Improvement Works to BBMP Dialysis Center in Vasanthnagar Ward no.117 and Estimation for requirement of amenities to Setting up the Dialysis unit at Prakashnagar urban Primary Health Care Centre at Ward No.98 and Dr.Ambedkar Day care Centre Srirampura at Ward No.97 Dayananda Nagara Rajaji Nagara Constituency, Bengaluru** as detailed in the table below. Two Cover Bid procedure as per Rule 28 of the KTPP Act shall be followed. The Bidders are required to submit two separate sealed covers, one containing the Earnest money deposit and the details of their capability to undertake the tender, which will be opened first and the second cover containing to the price Bid which will be opened only if the Bidder is found to be qualified.

2. Tender documents may be downloaded from Government of Karnataka Public Procurement Portal website https://www.kppp.karnataka.gov.in under login for Contractors: After login to Contractors, Please scroll down to the right side bottom to see List of Tenders, Please click there to find the details of IFT and download copy of the tender. The tender document can be downloaded in the portal as per prescribed date and time published in the portal. Only Interested Contractors who wish to participate should remit online transaction fee for tender after registering in the portal. The transaction fee is non-refundable if you wish to participate.

3. Objectives and the Scope of the Assignment shall be as per Request for Proposal (RFP) Document and it may be downloaded from KPPP Website. The RFP Document can be downloaded in the Portal as per the prescribed Date and Time published in the Portal. Interested Contractors who wish to participate shall remit online Transaction Fee for the RFP Document after registering in the Portal. The Transaction Fee is nonrefundable.

4. Proposals must be submitted online through KPPP on or before **16.00 Hrs on 24.01.2025** and the opening of bids will be as per the KPPP portal guidelines.

5. Other details can be seen in the RFP tender document.

**TABLE**

| Sl No | Name of Assignment | Amount put to tender (Amount in Lakhs) | EMD (Amount in Rupees) | Period of Completion |
|---|---|---|---|---|
| 1 | **Improvement Works to BBMP Dialysis Center in Vasanthnagar Ward no.117** | 15.61 | 39,100/- | 6 months including Monsoon |
| 2 | **Estimation for requirement of amenities to Setting up the Dialysis unit at Prakashnagar urban Primary Health Care Centre at Ward No.98 and Dr.Ambedkar Day care Centre Srirampura at Ward No.97 Dayananda Nagara Rajaji Nagara Constituency, Bengaluru** | 58.43 | 1,16,900/- | 6 months including Monsoon |

**Calendar Events:**

- Availability of RFP Document **from 09.01.2025 at 16.00 Hrs onwards**.
- Last Date for Receipt of Queries **15.01.2025 up to 16.00 Hrs.**
- Date of Pre bid meeting at the office of Special Commissioner (H&S) **on 16.01.2025 at 15.00 Hrs.**
- Last Date for receipt of Tenders is **24.01.2025 at 16.00 Hrs**.
- Date of Opening of Technical Proposals is **27.01.2025 at 16.30 Hrs.**
- Opening of financial bids will be intimated to technically qualified bidders.

**Note:**

1. Participants shall upload all the Signed and Scanned Copies of Certificates pertaining to their Eligibility Criteria, Essential Conditional Criteria, Financial Criteria Documents, etc. No Physical Documents shall be considered. Participants shall produce all the Original Documents for Verification whenever necessary.
2. For those Bidders whose Technical Bids do not satisfy the Eligibility Criteria as mentioned above, their Financial Bids will not be opened.
3. The BBMP reserves the right to reject any or all of the Tenders without thereby incurring any Liability or Obligation to inform the Bidders of the Reasons for such action.
4. Bidders may obtain further information at the Office of **Executive Engineer-3 Health and Sanitation, Behind Dasappa Hospital Premises, N.R.Square, Bengaluru-560002** on all working days between working hours.
5. Corrigendum's/ Modifications/ Corrections if any, will be published in the Website only.
6. For Details, Registration and e – Payment, visit GOK KPPP Website www.kppp.gov.in or contact KPPP Helpdesk at 080 – 25501216 / 25501217.

Sd/-
Executive Engineer-3
Health and Sanitation
Bruhat Bengaluru Mahanagara Palike

## SECTION 2: INSTRUCTIONS TO TENDERERS (ITT)

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## A. General

### 1. Scope of Tender

**TheExecutive Engineer-3, Health and Sanitation, BBMP** (Referred to as Employer in these documents) invites tenders following Two Cover tender procedure, from eligible Tenderers, for "Estimation for requirement of amenities to Setting up the Dialysis unit at Prakashnagar urban Primary Health Care Centre at Ward No.98 and Dr.Ambedkar Day care Centre Srirampura at Ward No.97 Dayananda Nagara Rajaji Nagara Constituency, Bengaluru" detailed in the Table given in the Invitation for Tenders (IFT). The Tenderers may submit tenders for any or all of the works detailed in the table given in IFT.

### 2. Eligible Tenderers

2.1 Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka / BBMP.

2.2 **Tenders from Joint ventures are not acceptable.**

### 3. Qualification of the Tenderer:

3.1 All Tenderers shall provide the requested information accurately and in sufficient detail in Section 3: Qualification information.

3.2 To qualify for award of this contract, each Tenderer in its name should have in the last five years (i.e. 2019-20 to 2023-24). In support of this, the Service provider shall furnish the Audited Balance Sheets including Income Tax Return Acknowledgement along with the Technical Proposal. Further, the Financial Turnover of the Previous Years shall be given a Weightage of 10% per year to bring them to the Price Level of 2023–24.

*(a)* achieved in at least two financial years a minimum financial turnover (in all classes of civil engineering construction works only) of **Rs.116.86 lakhs***(usually not less than two times the estimated annual payments under this contract)*

(b) Satisfactorily completed (at least 50% of the contract value), as prime contractor, at least one similar work of value not less than **Rs.29.22** Lakhs.

*(c)* executed in any one year, the following minimum quantities of work:[1]

| Sl. No | Description | Unit | Quantity |
|---|---|---|---|
| 1 | Aluminum Work | Kg | 158 |
| 2 | TMT Steel | Kg | 880 |
| 3 | Painting/ Water Proofing | Sqm | 382 |

Note:-Certified contractor's copies shall be uploaded (**Work done certificate duly signed by the officer not below the rank of Executive Engineer**)

3.3 Each Tenderer should further demonstrate:

(a) liquid assets and /or availability of credit facilities of not less than**Rs.17.53 Lakhs** (Credit lines/ letter of credit/ certificates from banks for meeting the fund requirement etc. (usually the equivalent of the estimated cash flow for three months in the peak construction period)

3.4 To qualify for a package of contracts made up of this and other contracts for which tenders are invited in this IFT, the Tenderer must demonstrate having experience and resources to meet the aggregate of the qualifying criteria for the individual contracts.

3.5 Deleted

3.6 Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

**Assessed available tender capacity = (A*N*1.5 -B)**

Where

A = Maximum value of civil engineering works executed in any one year during the last five years *(updated to* **2023-2024** *price level)* taking into account the completed as well as works in progress.
N = Number of years prescribed for completion of the works for which tenders are invited.
B =Value, at **2023-2024**price level, of existing commitments and on-going works to be completed during the next.....years *(period of completion of the works for which Tenders are invited)**

***Note:*** *The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.*

3.7 Even though the Tenderers meet the above criteria, they are subject to be disqualified if they have:

- made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or
- participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification.

**4. One Tender per Tenderer:**

4.1 Each tenderer shall submit only one tender for one package. A tenderer who submits or participates in more than one Tender (other than as a sub-contractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the Tenderer's participation to be disqualified.

**5. Cost of Tendering:**

5.1 The tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible and liable for those costs.

**6. Site visit:**

6.1 The Tenderer at his own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the

Tender and entering into a contract for construction of the Works. The cost of visiting the Site shall be at the Tenderer's own expense.

## B. Tender documents

### 7. Content of Tender documents

7.1 The set of tender documents shall have all the Sections given in Page 2:
7.2 Both the sets should be completed and returned with the tender.

### 8. Clarification of Tender Documents

8.1 A prospective tenderer requiring any clarification of the tender documents may notify the Employer in writing or by email at the Employer's address indicated in the invitation to tender. Additionally all the clarifications may be put up during the pre-tender meeting.

8.2 **Pre-tender meeting:**

8.2.1 The tenderer or his authorized representative is invited to attend a **pre-tender meeting** which will take place in the office of Special Commissioner (H&S).
8.2.2 The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
8.2.3 The tenderer is requested to submit any questions in writing or by cable/email to reach the Employer not later than one day before the meeting.
8.2.4 Minutes of the meeting, including the text of the questions raised (without identifying the source of enquiry) and the responses given will be transmitted without delay to all purchasers of the tender documents. Any modification of the tender documents listed in Sub-Clause 7.1 which may become necessary as a result of the pre-tender meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 9 and not through the minutes of the pre-tender meeting.
8.2.5 Non-attendance at the pre-tender meeting will not be a cause for disqualification of a tenderer.

### 9. Amendment of Tender documents

9.1 Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addendum.
9.2 Any addendum thus issued shall be part of the tender documents and shall be published in the e-procurement portal only.
9.3 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend as necessary the deadline for submission of tenders, in accordance with Sub-Clause 16.2 below.

## C. Preparation of Tenders

### 10. Documents comprising the Tender

10.1 The tender submitted by the Tenderer shall be in two covers and shall contain the documents as follows:

**10.1.1 First Cover (Technical Bid):**
(a) Earnest Money Deposit;
(b)Qualification Information as per formats given in Section 3;

**10.1.2 Second Cover (Financial Bid):**

(a) The Tender (in the format indicated in Section 4)

(b) Priced Bill of Quantities (Section 9);

and any other materials required to be completed and submitted by Tenderers in accordance with these instructions. The documents listed under Sections 3, 4, 6 and 9 shall be filled in without exception.

10.2 Deleted.

## 11. Tender prices

11.1 The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Tenderer.

11.2 The Tenderer shall fill in rates and prices and line item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total tender price (both in figures and words). **Items for which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities**. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.

11.3 All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause, shall be included in the rates, prices and total Tender Price submitted by the Tenderer. **(Except GST as applicable)**

11.4 The rates and prices quoted by the Tenderer shall be subject to adjustment during the performance of the Contract in accordance with the provisions of Clause of the Conditions of Contract

## 12. Tender validity

12.1 Tenders shall **remain valid for a period not less than 90 days** after the deadline date for tender submission specified in Clause 16. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.

12.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the Tenderers may extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing or by cable. A Tenderer may refuse the request without forfeiting his earnest money deposit. A Tenderer agreeing to the request will not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for a period of the extension, and in compliance with Clause 13 in all respects.

## 13. Earnest money deposit

### 13.1 Earnest Money Deposit/ Bid security

i. The Bidder shall furnish, as part of his tender, earnest money deposit in the amount as specified. This earnest money deposit shall be in Indian Rupees and payment to be made through e-payment under any one of the four options, through Credit card, direct debit, National Electronic Fund Transfer (NEFT), Over The Counter (OTC) and the confirmation receipt shall be submitted along with the tender.

ii. The earnest money deposit shall be denominated in Indian Rupees and shall:
   - **a.** At the bidder's option, **minimum of Rs.1,16,900/-** to be paid through the e-payment only
   - **b.** Be payable promptly upon written demand by the Purchaser in case any of the conditions listed are invoked;

**c.** Be submitted in its original form; copies will not be accepted; and

**d.** Remain valid for a period of 90 days beyond the original validity period of tenders, or beyond any period of extension subsequently requested

iii. The Earnest Money Deposit (EMD) of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the Contract and furnished the required Performance Security.

iv. The Earnest Money Deposit (EMD) may be forfeited:

**a.** If a Bidder withdraws his Bid during the period of bid validity.

**b.** If the successful Bidder fails to:

i. Sign the Contract

ii. Furnish a Performance Security

**14 Format and signing of Tender**

Tenderer shall submit the Bid electronically before the submission date and time published in KPPP.

## D. Submission of Tenders

**15. Sealing and marking of tenders**

15.1 The Tenderer shall access tender documents, fill them and submit the completed tender document through kppp portal only (http://kppp.gov.in). The scanned copy of the required qualification information documents as in Clause 3, EMD and Tender processing fee in the form of e-payment as in Clause 13.1, Form of tender in prescribed form and priced Bill of Quantities shall be attached to the e-tender document, failing which the bid will not be considered.It is the responsibility of the tenderer to submit all the documents pertaining to Eligibility criteria / Qualification information with due diligence.

15.2 Deleted.

15.3 Deleted.

15.4 Deleted.

15.5 No hard copy of any document will be considered at tender stage.

**16. Deadline for submission of the Tenders**

16.1 Tenders must be received by the Employer no later than the time and date as in e-procurement portal.

16.2 The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Clause 9, in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

**17. Late Tenders**

17.1 Any tenderer trying to submit the tender after the deadline will not be accepted.

**18. Modification and Withdrawal of Tenders**

18.1 Tenderers may modify contents of tender before the deadline prescribed in Clause 16.

18.2 Tenderers may withdraw their Tenders by cancelling their bid on the portal only before the deadline prescribed in Clause 16.

18.3 No Tender may be modified and withdrawn after the deadline for submission of Tenders.

18.4 Withdrawal or modification of a Tender between the deadline for submission of Tenders and the expiration of the original period of Tender validity specified in Clause 12.1 above or as extended pursuant to Clause 12.2 may result in the forfeiture of the earnest money deposit pursuant to Clause 13.

1 8.5 Tenderers may only offer discounts to, or otherwise modify the prices of their Tenders by submitting Tender modifications in accordance with this clause, or included in the original Tender submission.

## E. Tender opening and evaluation

**19. Opening of First Cover (Technical Bid) of all Tenders and evaluation to determine qualified Tenderers:**

19.1 The Employer will open the First Covers of all the Tenders at the time and date as in e-procurement portal, at the office of The Executive Engineer-3**,Health and Sanitation,Dasappa Hospital Premises, N.R. circle, BBMP** in the presence of the Tenderers or their representatives who choose to attend at **16.30 hours** on the date and the place specified in Clause 16. In the event of the specified date of Tender opening being declared a holiday for the Employer, the Tenders will be opened at the appointed time and location on the next working day.

19.2 Deleted.

19.3 Deleted.

19.4 Deleted

19.5 Deleted.

19.6 The Employer will evaluate and determine whether each tender (a) meets the eligibility criteria defined in ITT Clause 2; (b) is accompanied by the required earnest money deposit as per stipulations in ITT Clause and (c) meets the minimum qualification criteria stipulated in ITT Clause 3. The Employer will draw out a list of qualified Tenderers.

**20. Opening of Second Cover (Financial Bid) of qualified Tenderers and evaluation:**

20.1 The Employer will inform all the Qualified Tenderers the time, date and venue fixed for the opening of the Second Cover containing the priced Tenders. The Employer will open the Second Covers of Qualified Tenderers at the appointed time and date in the presence of the Tenders or their representatives who choose to attend. In the event of the specified date of Second Cover opening being declared a holiday for the Employer, the Second Covers will be opened at the appointed time and location on the next working day.

20.2 Deleted.

20.3 Deleted.

20.4 Deleted.

**21. Process to be confidential**

21.1 Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

**22 Clarification of Tenders**

22.1 To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with Clause 24.

22.2 Subject to sub-clause 22.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.

22.3 Any effort by the Tenderer to influence the Employer in the Employer's Tender evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers' Tender.

**23. Examination of Tenders and determination of responsiveness**

23.1 Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender; (a) has been properly signed; and; (b) is substantially responsive to the requirements of the Tender documents.

23.2 A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or the Tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tenders.

23.3 If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

## 24. Correction of errors

24.1 Tenders determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:

(a) where there is a discrepancy between the rates in figures and in words, the lower of the two will govern[2]; and

(b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.

24.2 The amount stated in the Tender will be adjusted by the Employer in accordance with the above procedure for the correction of errors and, with the concurrence of the Tenderer, shall be considered as binding upon the Tenderer. If the Tenderer does not accept the corrected amount the Tender will be rejected, and the earnest money deposit may be forfeited in accordance with Sub-Clause 13.6 (b).

## 25. Evaluation and comparison of Tenders

25.1 The Employer will evaluate and compare only the Tenders determined to be substantially responsive in accordance with Clause 23.

25.2 In evaluating the Tenders, the Employer will determine for each Tender the evaluated Tender Price by adjusting the Tender Price as follows:

(a) making any correction for errors pursuant to Clause 24; and

(b) making appropriate adjustments to reflect discounts or other price modifications offered in accordance with Sub Clause 18.5.

25.3 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Tender documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Tender evaluation.

25.4 The estimated effect of the price adjustment conditions under Clause 41 of the Conditions of Contract, during the implementation of the Contract, will not be taken into account in tender Evaluation

25.5 If the tender of the successful tenderer is seriously unbalanced in relation to the Employer's estimate of the cost of the work to be performed under the contract, the Employer may require the Tenderer to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security set forth in Clause 29 be increased at the expense of the successful Tenderer to a level sufficient to protect the Employer against financial loss in the event of default of the successful tenderer under the contract.

# F. Award of Contract

## 26. Award criteria

26.1 Subject to Clause 27, the Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price, provided that such Tenderer has been determined to be (a) eligible in accordance with the provisions of Clause 2, and (b) qualified in accordance with the provisions of Clause 3.

**27. Employer's right to accept any Tender and to reject any or all Tenders**

27.1 Notwithstanding Clause 26, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the Employer's action.

**28. Notification of award and signing of Agreement**

28.1 The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by cable, telex, e-mail or facsimile confirmed by registered letter. This letter (hereinafter and in the *Conditions ofContract* called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

28.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of Security deposit in accordance with the provisions of Clause 29.

28.3 The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days following the notification of award along with the Letter of Acceptance. Within 20 days of receipt, the successful Tenderer will sign the Agreement and deliver it to the Employer.

28.4 Upon the furnishing by the successful Tenderer of the Performance Security, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

**29. Security deposit**

29.1 Within 20 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Security deposit in any of the forms given below for an amount equivalent to 5% of the Contract price plus additional security for unbalanced tenders in accordance with Clause 25.5 of ITT and Clause 44 of the Conditions of Contract for all works.:

- Cash or
- Banker’s cheque/Demand draft,/Pay Order in favour of The Commissioner, BBMP payable at Bangalore. or
- A bank guarantee in the form given in Section 10; or
- Specified Small Savings Instruments pledged to Chief Commissioner / Executive Engineer-5, Health & Sanitation, BBMP;

29.2 If the security deposit is provided by the successful Tenderer in the form of a Bank Guarantee, it shall be issued either by a Nationalized/Scheduled bank.

29.3 The security deposit if furnished in cash or demand draft can, if requested, be converted to interest bearing securities at the cost of the contractor.

29.4 Failure of the successful Tenderer to comply with the requirements of Sub-Clause 29.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Earnest money deposit.

**30 Advance Payment and Security:**

30.1 The Employer will provide an advance payment on the contract price as stipulated in the Conditions of Contract, subject to the maximum amount as stated in the Contract Data.

**31. Corrupt or Fraudulent practices**

31.1 The BBMP requires that the Tenderers/Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, BBMP :

(a) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(b) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a BBMP contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a BBMP contract.

31.2 Furthermore, Tenderers shall be aware of the provision stated in sub-clause 50.2 of the Conditions of Contract.

## SECTION 3: QUALIFICATION INFORMATION

The information to be filled in by the Tenderer hereunder will be used for purposes of computing Tender capacity as provided for in Clause 3 of the Instructions to Tenderers. This information will not be incorporated in the Contract.

1.1 Constitution or legal status of Tenderer [Attach copy]

Place of Registration _____
(Attach Copy)

Principal place of business: _____

1.2 Total value of civil engineering construction works executed and payments received in the last five years (inRs. Lakhs) Attach Certificate from Chartered Accountant

2019 - 20 ……..
2020 -21 ……..
2021 - 22 ……..
2022 - 23 ……..
2023– 24……..

1.3 Work performed as Prime Contractor (in the same name) on works of similar nature over during the five years specified in 1.2 above.

| Project Name | Name of Employer | Descrip-tion of Work | Contract Number | Value of Contract Rs. Lakhs | Date of issue of work order | Specified period of completion | Actual date of Actual date of | Remarks explaining reasons for delay in completion of work |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | | | | | | | |

1.4 Quantities of work executed as prime contractor (in the same name) during the last five years specified in 1.2 above:

| Year | Name of Work | Name of Employer | TMT Steel (Kgs) | Painting / Waterproofing (Sqm) | Aluminum Work ( Kgs) | Remarks (Indicate contract reference) |
|---|---|---|---|---|---|---|
| 2019-20 | | | | | | |
| 2020-21 | | | | | | |
| 2021-22 | | | | | | |
| 2022-23 | | | | | | |
| 2023-24 | | | | | | |

1.5. Information on works for which Tenders have been submitted and works which are yet to be completed as on the date of this Tender.

(A) Existing commitments and on-going works:

| Description of Work | Place & State | Contract No. & Date | Name And Address of Employer | Value of Contract (Rs. lakhs) | Stipulated period of completion | Value of works remaining to be completed (Rs. lakhs) Attach Certificates from Engineers – in- Charge | Anticipated date of completion |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | |

(B) Works for which Tenders already submitted:

| Description of Work | Place & State | Name and Address of Employer | Estimated value of works (Rs. lakhs) | Stipulated period of completion | Date when decision is expected | Remarks if any |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | | | |

1.6. The following items of equipment are considered essential for successfully carrying out the works. The Tenderer should furnish all the information listed below.

| Item of Equipment | Requirement[3] | | Owned | Owned and available | | |
|---|---|---|---|---|---|---|
| | No. | Capacity | | Number/ Capacity | Age/ condition | Remarks |

1.7 Reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the last five years;

1.8 Qualification and experience of the key technical and management personnel in permanent employment with the tenderer and those that are proposed to be deployed on this contract, if awarded.

1.9. Name, address, and telephone, telex, and fax numbers of the Tenderers' bankers who may provide references if contacted by the Employer.

1.10 Evidence of access to financial resources to meet the qualification requirement specified in ITT Clause3.3 (b): Cash in hand, Letter of Credit etc. List them below and attach certificate from the Banker in the suggested format as under:

**BANKER'S CERTIFICATE**

This is to certify that M/s. …….. is a reputed company with a good financial standing. If the contract for this work, namely …… (*name of the work)* is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs. …… to meet the working capital requirements for executing the above contract

Name of the Bank, Senior Bank Manger with Signature
Address:……..

1.11 Proposals for subcontracting components of works amounting to more than 20% of the contract price .

| Item of Work | Value of Sub-Contract | Identified Sub-Contractor (Name and address) | Experience of similar work (Attach certificates from the respective Employers.) |
|---|---|---|---|
| 1 | 2 | 3 | 4 |

1.12 Information on litigations in which the Tenderer is involved:

| Other Party (ies) | Employer | Details of dispute | Amount involved | Remarks showing present status |
|---|---|---|---|---|
| | | | | |

1.13 The proposed methodology and program of construction, backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones.

**SECTION 4: FORMS OF TENDER, LETTER OF ACEPTANCE, NOTICE TO PROCEED WITH THE WORK AND AGREEMENT FORM**

## Form of Tender

Description of the Works: ……
……..
(To be filled in by the Employer before issue of the Tender document)

**Tender**

To : ……..

Address ……..
……
(To be filled in by the Employer before issue of the Tender document)

GENTLEMEN,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of …….. *[in figures]* *(*……..) *[in letters]*.[4]

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.

The advance payment required is Rs……..

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tender documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

Authorized Signature:

Name & Title of Signatory: _____

Name of Tenderer _____
Address: ----------
---

**Letter of Acceptance**

(Letterhead paper of the Employer)

……..[date]

To:

……

……[name and address of the Contractor]

Dear Sirs,

This is to notify you that your Tender dated …… for execution of the …… …… *[name of the contract and identification number, as given in the Instructions to Tenderers]* for the Contract Price of Rupees …….. …… (……) [amount in words and figures], as corrected and modified in accordance with the Instructions to Tenderers is hereby accepted by our Agency.

You are hereby requested to furnish Security deposit plus additional security for unbalanced tenders in terms of Clause 25.5 of ITT, in the form detailed in Clause 29.1 of ITT for an amount of Rs…….. within 20 days of the receipt of this letter of acceptance valid up to 30 days from the date of expiry of Defects Liability Period i.e. up to ..... and sign the contract, failing which action as stated in Para 29.4 of ITT will be taken.

Yours faithfully,

Authorized Signature

Name and Title of Signatory

Name of Agency

**Issue of Notice to proceed with the work**

(Letterhead of the Employer)

……..(date)

To

……
……
…… (Name and address of the Contractor)

Dear Sirs:

Pursuant to your furnishing the requisite security deposit as stipulated in ITT Clause 29.1 and signing of the contract agreement for the construction of …… (Name of the work) a Tender Price of Rs……., you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,

(Signature,
Name and title of signatory
Authorized to sign on behalf of Employer)

## Agreement Form

**Agreement**

This agreement, made the ……day of ……20……., between……
……..[name and address of Employer]
(hereinafter called "the Employer") of the one part and ……
……..[name and address of contractor] (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute ……..
……
……
[ name and identification number of Contract] (hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a contract price of Rupees.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
   i) Letter of Acceptance;
   ii) Notice to proceed with the works;
   iii) Contractor's Tender;
   iv) Contract Data;
   v) Conditions of contract (including Special Conditions of Contract);
   vi) Specifications;
   vii) Drawings;
   viii) Bill of Quantities; and
   ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of ……
……
was hereunto affixed in the presence of:

Signed, Sealed and Delivered by the said
……

in the presence of:
Binding Signature of Employer
……
Binding Signature of Contractor
……..

## SECTION 5: CONDITIONS OF CONTRACT
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## Conditions of Contract

### A. General

### 1. Definitions

1.1 Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meanings. Bold letters are used to identify defined terms.

**Bill of Quantities** means the priced and completed Bill of Quantities forming part of the Tender.
**Compensation events** are those defined in Clause 38 hereunder.
The **Completion Date** is the date of completion of the Works as certified by the Employer in accordance with Sub Clause 46.1.
The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.2 below.
The **Contract Data** defines the documents and other information which comprise the Contract.
The **Contractor** is a person or corporate body whose Tender to carry out the Works has been accepted by the Employer.
The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer.
The **Contract price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.
**Days** are calendar days; **months** are calendar months.
A **Defect** is any part of the Works not completed in accordance with the Contract.
The **Defects liability period** is the period named in the Contract Data and calculated from the Completion Date.
The **Employer** is the party who will employ the Contractor to carry out the Works.
**Equipment** is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.
The **Initial Contract price** is the Contract Price listed in the Employer's Letter of Acceptance.
The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an extension of time.
**Materials** are all supplies, including consumables, used by the contractor for incorporation in the Works.
**Plant** is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.
The **Site** is the area defined as such in the Contract Data.
**Specification** means the Specification of the Works included in the Contract and any modification or addition made or approved by the Employer.
The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates.
A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.
A **Variation** is an instruction given by the Employer which varies the Works.
The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

## 2. Interpretation

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.

2.2 The documents forming the Contract shall be interpreted in the following order of priority:

(1) Agreement
(2) Letter of Acceptance, notice to proceed with the works
(3) Contractor's Tender
(4) Contract Data
(5) Conditions of Contract
(6) Specifications
(7) Drawings
(8) Bill of quantities and
(9) Any other document listed in the Contract Data as forming part of the Contract.

## 3. Law governing contract

3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

## 4. Employer's decisions

4.1 Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor.

## 5. Delegation

5.1 The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

## 6. Communications

6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

## 7. Subcontracting (Deleted)

7.1 Deleted.

## 8. Other Contractors

8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer.

## 9. Personnel

9.1 The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by GOK from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.

9.2 If the Employer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

**10. Employer's and Contractor's risks**

10.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

**11. Employer's risks**

11.1 The Employer is responsible for the excepted risks which are:

(a) rebellion, riot commotion or disorder unless solely restricted to employees of the Contractor or his Sub-Contractors arising from the conduct of the Works; or

(b) a cause due solely to the design of the Works, other than the Contractor's design; or

(c) any operation of the forces of nature (in so far as it occurs on the Site) which an experienced contractor:

(i) could not have reasonably foreseen; or

(ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures;

(A) prevent loss or damage to physical property from occurring by taking appropriate measures or

(B) insure against such loss or damage

**12. Contractor's risks**

12.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

**13. Insurance:**

13.1 The Contractor shall prior to commencing the works, effect and thereafter maintain insurances , in the joint names of the Employer and the Contractor, (cover from the first working day after the Start Date to the end of Defects Liability Period), in the amounts stated in the Contract Data :

(a) for loss of or damage to the Works, Plants and Materials and the Contractor's equipment;

(b) for liability of both Parties for loss, damage, death and injury to third parties or their property arising out of the Contractor's performance of the Contract including the Contractor's liability for damage to the Employer's property other than the Works and

(c) for liability of both Parties and of any Employer's representative for death and injury to the Contractor's personnel except to the extent that liability arises from the negligence of the Employer, any Employer's representative or their Employees.

13.2 Policies and certificates for insurance shall be delivered by the Contractor to the Employer for his approval before the Start Date. All such insurance shall provide for compensation to be payable to rectify the loss or damage incurred. All payments received from insurers relating to loss or damage shall be held jointly by the Parties and used for the repair of the loss or damage or as compensation for loss or damage that is not to be repaired.

13.3 If the Contractor fails to effect or keep in force any of the insurances referred to in the previous sub-clauses or fails to provide satisfactory evidence, policies or receipts, the Employer may without prejudice to any other right or remedy, effect insurance for the cover relevant to such

default and pay the premiums due and recover the same as a deduction from any other monies due to the Contractor. If no payments is due, the payment of the premiums shall be a debt due.

13.4 Alterations to the terms of insurance shall not be made without the approval of the Employer.

13.5 Both Parties shall comply with any conditions of the insurance policies.

**14. Site Investigation Reports:**

14.1 The Contractor, in preparing the tender, shall rely on any site investigation reports referred to in the Contract data, supplemented by any information available to the Tenderer.

**15. Queries about the Contract Data**

15.1 The Employer will clarify queries on the Contract Data.

**16. Contractor to construct the Works**

16.1 The Contractor shall construct the Works in accordance with the Specification and Drawings.

**17. The Works to be completed by the Intended Completion Date**

17.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the program submitted by the Contractor, as updated with the approval of the Employer, and complete them by the Intended Completion Date.

**18. Approval by the Employer:**

18.1 The Contractor shall submit Specification and drawings showing the proposed Temporary Works to the Employer, who is to approve them if they comply with the Specifications and Drawings.

18.2 The Contractor shall be responsible for the design of Temporary Works

18.3 The Employer's approval shall not alter the Contractor's responsibility for design of the Temporary Works.

18.4 The Contractor shall obtain approval of third parties to the design of third parties to the design of the temporary Works where required.

18.5 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Employer before their use.

**19. Safety**

19.1 The Contractor shall be responsible for the safety of all activities on the Site.

**20. Discoveries**

20.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Employer of such discoveries and carry out the Employer's instructions for dealing with them.

**21. Possession of the Site**

21.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

**22. Access to the Site**

22.1 The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

**23. Instructions**

23.1 The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the Site is located.

**24. Procedure for resolution of Disputes:**

24.1 If the Contractor is not satisfied with the decision taken by the Employer, the dispute shall be referred by either party to Arbitration within 30 days of the notification of the Employer's decision.

24.2 If neither party refers the dispute to Arbitration within the above 30 days, the Employer's decision will be final and binding.

24.3 The Arbitration shall be conducted in accordance with the arbitration procedure stated in the Special Conditions of Contract.

**B. Time Control**

**25. Program**

25.1 Within the time stated in the Contract Data the Contractor shall submit to the Employer for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works.

25.2 The Employer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Employer again at any time. A revised Program is to show the effect of Variations and Compensation Events.

**26. Extension of the Intended Completion Date**

26.1 The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date.

26.2 The Employer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Employer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information.

**27. Delays ordered by the Employer**

27.1 The Employer may instruct the Contractor to delay the start or progress of any activity within the Works.

**28. Management meetings**

28.1 The Employer may require the Contractor to attend a management meeting. The business of a management meeting shall be to review the progress achieved and the plans for remaining work.

28.2 The responsibility of the parties for actions to be taken is to be decided by the Employer either at the management meeting or after the management meeting and stated in writing to be distributed to all who attended the meeting.

## C. Quality Control

### 29. Identifying defects

29.1 The Employer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Employer may instruct the Contractor to search for a Defect and to uncover and test any work that the Employer considers may have a Defect.

### 30. Tests

30.1 If the Employer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

### 31. Correction of defects

31.1 The Employer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

31.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Employer's notice.

### 32. Uncorrected defects

32.1 If the Contractor has not corrected a Defect within the time specified in the Employer's notice, the Employer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

## D. Cost Control

### 33. Bill of Quantities (BOQ)

33.1 The BOQ shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.

33.2 The BOQ is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the BOQ for each item

### 34. Variations

34.1 The Employer shall have power to order the Contractor to do any or all of the following as considered necessary or advisable during the progress of the work by him

(a) Increase or decrease of any item of work included in the Bill of Quantities (BOQ);
(b) Omit any item of work;
(c) Change the character or quality or kind of any item of work;
(d) Change the levels, lines, positions and dimensions of any part of the work;
(e) Execute additional items of work of any kind necessary for the completion of the works; and
(f) Change in any specified sequence, methods or timing of construction of any part of the work.

34.2 The Contractor shall be bound to carry out the work in accordance with any instructions in this connection, which may be given to him in writing by the Employer and such alteration shall not vitiate or invalidate the contract.

34.3 Variations shall not be made by the Contractor without an order in writing by the Employer, provided that no order in writing shall be required for increase or decrease in the quantity of an item appearing in the BOQ so long as the work executed conforms to the approved drawings.

34.4 The Contractor shall promptly request in writing to the Employer to confirm verbal orders and the officer issuing oral instructions shall confirm it in writing within 30 days, failing which the work shall be carried out as though there is no variation. In case variation is approved it shall be accompanied by BOQ, failing which the contractor shall be responsible for deviation if any. Further, approval of Govt. / BBMP has to be obtained for the variation exceeding 5%.

**35. Payments for Variations**

35.1 Payment for increase in the quantities of an item in the BOQ up to 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.

35.2 For quantities in excess of 125% of the tendered quantity of an item as given in the BOQ, the Contractor shall be paid at the rate entered in or derived from in the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

35.3 If there is no rate for the additional, substituted or altered item of the work in the BOQ, efforts would be made to derive the rates from those given in the BOQ or the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) and if found feasible the payment would be made at the derived rate for the item plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

35.4 If the rates for additional, substituted or altered item of work cannot be determined either as at 35.1 or 35.2 or 35.3 above, the Contractor shall be requested to submit his quotation for the items supported by analysis of the rate or rates claimed, within 7 days.

35.5 If the Contractor's quotation is determined unreasonable, the Employer may order the Variation and make a change to the Contract Price which shall be based on Employer’s own forecast of the effects of the Variation on the Contractor's costs.

35.6 If the Employer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.

35.7 Under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates for items falling under this Clause.

**36. Submission of bills for payment**

36.1 The Contractor shall submit to the Employer monthly bills of the value of the work completed less the cumulative amount paid previously.

36.2 The Employer shall check the Contractor's bill and determine the value of the work executed which shall comprise of (i) value of the quantities of the items in the BOQ completed and (ii) valuation of Variations and Compensation Events.

36.3 The Employer may exclude any item paid in a previous bill or reduce the proportion of any item previously paid in the light of later information.

## 37. Payments

37.1 Payments shall be adjusted for deductions for advance payments other than recoveries in terms of contract and taxes, at source, as applicable under the law. The Employer shall pay the Contractor the within 60 days of submission of bill. The contractor shall be liable to pay liquidated damages for shortfall in progress. For progress beyond the agreed program payment is subject to availability of the grants.

37.2 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

## 38. Compensation events

38.1 The following are Compensation events unless they are caused by the Contractor:

(a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.
(b) The Employer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.
(c) The Employer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.
(d) The Employer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.
(e) The effect on the Contractor of any of the Employer's Risks.
(f) The Employer unreasonably delays issuing a Certificate of Completion.
(g) Other Compensation Events listed in the Contract Data or mentioned in the Contract.

38.2 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date is extended. The Employer shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.

38.3 As soon as information demonstrating the effect of each Compensation event upon the Contractor's forecast cost has been provided by the Contractor, it is to be assessed by the Employer and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Employer shall adjust the Contract Price based on Employer's own forecast. The Employer will assume that the Contractor will react competently and promptly to the event.

38.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Employer.

## 39. Tax

39.1 The rates quoted by the Contractor shall be **exclusive of GST**. The Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

## 40. Price Adjustment:

**As per GO**

## 41. Liquidated damages

41.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date (for the whole of the works or the milestone as stated in the Contract Data). The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages does not affect the Contractor's liabilities.

41.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Employer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment of bill.

## 42. Advance Payments:

42.1 The Employer shall make payment to the Contractor of the amounts stated in the Contract Data by the date stated in the Contract Data, against provision by the Contractor of an unconditional bank guarantee in a form acceptable to the Employer issued by a Nationalized/Scheduled Bank in amounts equal to the advance payment. The guarantee shall remain effective until the advance payment has been repaid, but the amount of the guarantee shall be progressively reduced by the amounts repaid by the Contractor. Interest will not be charged on the advance payment.

42.2 The Contractor is to use the advance payment only to pay for Mobilization expenses required specifically for execution of the Works. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoices or other documents to the Employer.

42.3 The advance payment shall be repaid by deducting proportionate amounts from payments otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuation of the work done, variations, price adjustments, compensation events or liquidated damages.

## 43. Securities:

43.1 The Security deposit (including additional security for unbalanced tenders) shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and type of instrument acceptable to the Employer. The Security deposit shall be valid until a date 30 days from the date of expiry of Defects Liability Period and the additional security for unbalanced tenders shall be valid until a date 30 days from the date of issue of the certificate of completion.

## 44. Cost of Repairs:

44.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

## E. Finishing the Contract

### 45. Completion

45.1 The Contractor shall request the Employer to issue a Certificate of Completion of the Works and the Employer will do so upon deciding that the Work is completed.

### 46. Taking over

46.1 The Employer shall take over the Site and the Works within seven days of issuing a certificate of Completion.

### 47. Final account

47.1 The Contractor shall supply to the Employer a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Employer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 90 days of receiving the Contractor's account if it is correct and complete. If it is not, the Employer shall issue within 90 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable to the Contractor and make payment within 60 days of receiving the Contractor's revised account.

### 48. As built drawings and /or Operating and Maintenance Manuals

48.1 If "as built" (Completion *drawings*) Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract Data.

48.2 If the Contractor does not supply the Drawings by the dates stated in the Contract Data, or they do not receive the Employer's approval, the Employer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

### 49. Termination

49.1 The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.

49.2 Fundamental breaches of Contract include, but shall not be limited to the following:

(a) The Contractor stops work for 45 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Employer;
(b) Deleted.
(c) The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
(d) Deleted.
(e) The Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Employer;
(f) The Contractor does not maintain a security which is required;
(g) The Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and
(h) If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.

For the purpose of this paragraph : "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition."

49.3 When either party to the Contract gives notice of a breach of contract to the Employer for a cause other than those listed under Sub Clause 49.2 above, the Employer shall decide whether the breach is fundamental or not.

49.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.

49.5 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

**50. Payment upon Termination**

50.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Employer shall prepare bill for the value of the work done less advance payments received up to the date of the bill, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

50.2 If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Employer shall prepare bill for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract, and less taxes due to be deducted at source as per applicable law and make payment accordingly.

**51. Property**

51.1 All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor's default.

**52. Release from performance**

52.1 If the Contract is frustrated by any event entirely outside the control of either the Employer or the Contractor the Employer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made

## F. Special Conditions of Contract

**1. Labour:**

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

The Contractor shall, if required by the Employer, deliver to the Employer a return in detail, in such form and at such intervals as the Employer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Employer may require.

**2. Compliance with labour regulations**:

During continuance of the contract, the Contractor shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of security deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor in no case shall be treated as the employees of the Employer at any point of time.

**3. Protection of Environment:**

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

**4. Arbitration (Clause 24)**

DELETED (As per the Government circular No. LAW-LAC/198/2024, dated:16.11.2024)

**5.** In the case of the death of a Contractor after executing the agreement / commencement of the work, his legal heir, if an eligible registered Contractor and willing can execute and complete the work at the accepted tender rates irrespective of the cost of the work.

6. The Contractor shall produce invoice for procurement along with work bills. No payments will be made without such invoices.

7. The Contractor shall execute the work in minimum two shifts (Day & Night) for speedy completion of work and to minimize inconvenience.

8. Tenderer should have registered with EPF and EIS authorities; certification should be produced at the time of tendering OR else before entering in to the Agreement.

9. GST shall be paid separately.

*[ Add other Clauses specific to the work for which tenders are invited.]*

**Annexure:**

**LIST OF ORGANIZATIONS WHO ARE CONSIDERED AS APPOINTING AUTHORITY FOR APPOINTMENT OF ARBITRATORS[5]**

a. Indian Council of Arbitration, New Delhi;
b. International Centre for Alternative Disputes Resolution (India);
c. Indian Roads Congress;
d. Indian Building Congress;
e. Indian Institute of Bridge Engineers;
f. Indian Institute of Public Health Engineers;
g. Institute of Water Works

## SECTION 6: CONTRACT DATA

**Items marked "N/A" do not apply in this Contract.**

| The following documents are also part of the Contract: | **Clause Reference** |
|---|---|
| • The Schedule of Operating and Maintenance Manuals | [48] |
| • The Methodology and Program of Construction | [25] |
| • Site Investigation Reports | [14] |
| • The Schedule of Key and Critical Equipment to be deployed on the work as per agreed program of construction. | [25] |

The Employer is:

Name: The Chief Commissioner [1.1]
Address: BBMP, N.R. Square Bangalore-02
Name of authorized Representative: Executive Engineer-3
Health and Sanitation
Bruhat Bangalore Mahanagara Palike

The name and identification number of the Contract is **Estimation for requirement of amenities to Setting up the Dialysis unit at Prakashnagar urban Primary Health Care Centre at Ward No.98 and Dr.Ambedkar Day care Centre Srirampura at Ward No.97 Dayananda Nagara Rajaji Nagara Constituency, Bengaluru**

The start date shall be the date of issue of notice to proceed with the work. [1.1]

The Intended Completion Date for the whole of the Works is **06 (Six) months**[6] with the following milestones [17, 26]

Milestone dates:
Physical works to be completed, period from the date of issue of Notice to proceed with the work.
**Milestone 1 i.e Financial Progress for Rs.29.22 Lakhs within 03 Months from the date of work order**
**Milestone 2 i.e Financial Progress for Rs.29.21 Lakhs within 06Months from the date of work order**

The Site Possession Date is:[7]**Date of work order** [21]

The Site is located at **BBMP limits** [1.1] and is defined in drawings

The Defects Liability Period is 01 year from the date of completion of Work/Project [31]

Insurance requirements are as under: [13]

| | Type of Cover | Minimum cover for Insurance[8] |
|---|---|---|
| (i) | Works and of Plant and materials | The sum stated in the Agreement plus 20% |
| (ii) | Loss or damage to equipment | Full replacement cost |
| (iii) | Loss or damage to property of Third Party | Full replacement cost |
| (iv) | Personal injury or death insurance<br>(a) for Third Party[9] | |
| | (b) for Contractor's employees or labour | In accordance with the statutory requirements applicable to Karnataka |

The liquidated damages for the whole of the works is 0.1% of the contract price per Day (amount)

The maximum amount of liquidated damages for the whole of the works[41] is Ten percent of final contract price.
The amounts of the advance payment are: deleted

[10]The date by which "as-built"[11] drawings (in scale …[12]) in 2 sets are required is within 30 days of issue of certificate of completion of Whole or Section of the Work as the case may be. [48]
[13]The date by which Operating and Maintenance Manuals are required is within 30 days of issue of certificate of completion of Whole or Section of the Work as the case may be. [48]

The amount to be withheld for failing to supply "as built" drawings or supply of Operation and Maintenance Manuals by the date required is Rs.40,000/-
*(The amount should be sufficient to get the completion drawings or Operating and* Maintenance Manuals prepared by alternative agency in case the contractor fails to submit.) [48]

The following events shall also be fundamental breach of the contract: [49.2]

1. The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

The percentage to apply to the value of the work not completed representing the Employer's [50.1]

Additional cost for completing the Works shall be 30 percent (30%).
*(Change if need be. It should be sufficient to get the balance of works completed by alternative agency.)*

## SECTION 7: SPECIFICATIONS

## SECTION 8: DRAWINGS

## SECTION 9: BILL OF QUANTITIES

| BRUHAT BENGALURU MAHANAGARA PALIKE | | | | |
|---|---|---|---|---|
| **Name Of The Work:-**Estimation for requirement of amenities to Setting up the Dialysis unit at Prakashnagar urban Primary Health Care Centre at Ward No.98 and Dr.Ambedkar Day care Centre Srirampura at Ward No.97 Dayananda Nagara Rajaji Nagara Constituency, Bengaluru | | | | |
| **Draft Tender Schedule (DTS)** | | | | |
| **Sl.No** | **Description of Item** | **Unit** | **Quantity** | **Rate in Rs** |
| **1** | Providing & Fixing of Mineral Fibre Suspended Ceiling System in the module size of 600x600x19mm with Exposed grid for Hospitals, Shopping malls, Commercial establishments and office complexes.The tiles should have Humidity Resistance (RH) of 99%, Light Reflectance 87%, Thermal Conductivity k = 0.052 - 0.057 w/m K, NRC -0.7,Colour White, Fire Performance UK A2 S1, dO, with Anti Microbial coating on the face of the tile, suitable for zone 4 area according to NF S 90-35:2003 with cleanroom class of ISO 5 (Class 100), Decontamination Class of CP1Oand Bacteriological Cleanliness Class B1 for specific strains and reduction in colony size. Washability properties of 500 wash cycles as per ASTM D-4828 and suitable for Green Building application with Recycled content of 37%. The tile shall be laid on 24mm wide T - section flanges colour white having rotary stitching on all T sections i.e. the Main Runner, 1200 mm & 600 mm Cross Tees with a web height of 38mm and a loa carrying capacity of 15 kg/m2 & pull out strength of minimum 100 kg The T Sections should have a Galvanizing of 90 grams per m2 and need to be installed with suspension system of approved make. complete as per the direction of engineer incharge of work | **Sqm** | **148.24** | **2490.86** |
| **2** | Providing and fixing powder coated aluminium work (minimum thickness of powder coating 50 micron) consisting of tee/ angle sections, of approved make conforming to IS : 733 in frames of false ceiling including aluminium angle cleats with necessary C.P. brass/ stainless steel sunk screws, aluminium perimeter angles fixed to wall with stainless steel rawl plugs @ 450 mm centre to centre and fixing the frame work to G.I. level adjusting hangers 6 mm dia. with necessary cadmium plated machine screws all complete as per approved architectural drawings and direction of the Engineer- in-charge (level adjusting hangers, ceiling cleats and expansion hold fasteners to be paid for separately) including cost of materials, labour, usage charges of machinery complete as per specifications..complete as per the direction of engineer incharge of work | **Kgs** | **197.48** | **767.70** |

| | | | | |
|---|---|---|---|---|
| **3** | Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 5 mm thickness (weight not less than 12.50 kg/m²) including cost of materials, labour, usage charges of machinery complete as per specifications..complete as per the direction of engineer incharge of work | **Sqm** | **19.47** | **1300.98** |
| **4** | Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. complete as per the direction of engineer incharge of work | **Sqm** | **1.89** | **8270.28** |
| **5** | Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Clerestory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibres (wood powder/rice husk/wheat husk) and non toxic additives (maimum toxicity index of 12 for 100 g) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 850 kg/m3, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm2 , modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-InCharge. (Fixtures shall be paid for separately). Size 62 x 100mm complete as per the direction of engineer incharge of work | **Mtr** | **24.00** | **779.92** |
| **6** | Providing and fixing factory made Green certified, Anti Termite, UV resistant, high water absorbant single extruded WPC (Wood PolymerComposite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 g) having minimum density of 650 kg/m3 and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength of 50 N/mm2 , modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws The cost includes cost of materials, transportation, labour and fixing charges.(Cost of Fixtures to be paid separately) complete as per the direction of engineer incharge of work | **Mtr** | **7.56** | **3871.84** |

| | | | | |
|---|---|---|---|---|
| **7** | Hydraulic door closer complete as per the direction of engineer incharge of work | **Each** | **1.00** | **850.00** |
| **8** | Providing Brick work with common burnt clay Non Modular bricks of class designation 3.5 in superstructure above plinth level in all shapes and sizes in Cement mortar 1:6 (1 cement : 6 coarse sand) including cost of all materials, labour, caffolding and usage charges of machinery & other incidental charges complete as per the direction of engineer incharge of work. | **Cum** | **1.49** | **8853.56** |
| **9** | Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.. | **Sqm** | **23.60** | **327.75** |
| **10** | Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per direc tions of Engineer-in-charge.. | **Sqm** | **7.18** | **393.29** |
| **11** | Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications.. complete as per the direction of engineer incharge of work | **Sqm** | **23.60** | **1609.84** |
| **12** | Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer ) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per m2 including pointing in white cement mixed with pigment of matching shade complete... | **Sqm** | **5.17** | **1228.77** |
| **13** | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge. | **Sqm** | **7.18** | **111.10** |
| **14** | Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 g/L, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coats as per specifications and as per directions of Engineer in charge. | **Sqm** | **7.18** | **109.99** |

| | | | | |
|---|---|---|---|---|
| **15** | Providing and Applying Polyurethane hybrid liquid applied GRIHA certified Waterproofing coating with flutyne rotection technology, single component, cold applied, water based acrylic and UV resistant water proofing treatment to the Existing Roof having Tile or any non-porous surface applied @ 1.5 l/m2 in 2 coats to achieve 1mm DFT, having tensile strength with 45 gsm glass fibre mesh 4N/mm2 confirming to ASTM D 412; Elongation at break ≥ 300% and Crack bridging ability up to 3mm,SRI Index 106 as per ASTM E 1980-01, Water permeability @5 bar – Nil as per EN12390 - 8:2019, including surface preparation, priming the surface with single component high-performance waterborne tile primer which is suitable for non - porous surface at a rate of 0.083 L/m2 and spreading 45 gsm glass fibre mesh of 2.5 mm x 2.5 mm nsandwiched between the first and second coat completely as per specification. The finished cost to include surface preparation, making coving at Junction, treatment of cracks completely as per spec.complete as per the direction of engineer incharge of work | **Sqm** | **226.30** | **1078.24** |
| **16** | Providing and Applying Polyurethane hybrid liquid applied GRIHA certified Waterproofing coating with flutyne rotection technology, single component, cold applied, water based acrylic and UV resistant water proofing treatment to the Existing Roof having Tile or any non-porous surface applied @ 1.5 l/m2 in 2 coats to achieve 1mm DFT, having tensile strength with 45 gsm glass fibre mesh 4N/mm2 confirming to ASTM D 412; Elongation at break ≥ 300% and Crack bridging ability up to 3mm,SRI Index 106 as per ASTM E 1980-01, Water permeability @5 bar – Nil as per EN12390 - 8:2019, including surface preparation, priming the surface with single component high-performance waterborne tile primer which is suitable for non - porous surface at a rate of 0.083 L/m2 and spreading 45 gsm glass fibre mesh of 2.5 mm x 2.5 mm nsandwiched between the first and second coat completely as per specification. The finished cost to include surface preparation, making coving at Junction, treatment of cracks completely as per spec.complete as per the direction of engineer incharge of work | **Sqm** | **125.87** | **1088.81** |
| **17** | Providing and fixing rectangular high density polyethylene water storage loft tank with cover, conforming to ISI : 12701, colour of opaque white or as approved by Engineer-in-charge. The rate includes making necessary holes for inlet, outlet & over flow pipes. The base support i/c fittings & fixtures for tank shall be paid separately.complete as per the direction of engineer incharge of work | **Ltr** | **8000.00** | **10.00** |
| **18** | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 32 mm nominal dia Pipes complete as per the direction of engineer incharge of work | **Mtr** | **160.00** | **413.29** |

| | | | | |
|---|---|---|---|---|
| **19** | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 25 mm nominal dia Pipes complete as per the direction of engineer incharge of work | **Mtr** | **120.00** | **328.86** |
| **20** | Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications complete as per the direction of engineer incharge of work | **Sqm** | **58.15** | **1367.64** |
| **21** | Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per direc tions of Engineer-in-charge. | **Sqm** | **58.15** | **393.29** |
| **22** | Providing 12 mm cement plaster finished with a floating coat of neat cement of mix :1:3 (1 cement: 3 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge | **Sqm** | **55.37** | **358.85** |
| **23** | Providing and laying red oxide flooring 40 mm thick, with an under layer of 30mm thick M-15 cement concrete and top layer of 10mm thick plaster with 1:3 cement mortar mixed with red oxide finished with floating coat of neat cement mixed with red oxide ( mix of same proportion ) , including cost of materials, labour, curing, complete as per specifications.complete as per the direction of engineer incharge of work | **Sqm** | **21.48** | **873.25** |
| **24** | Providing & fixing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete as per design drawings (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required as per the direction of Engineer in charge. 0.63 mm thick with zinc coating not less than 275 g/ m² complete as per the direction of engineer incharge of work | **Sqm** | **27.40** | **976.57** |

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| **25** | Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished seamless type tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge | **kgs** | **1096.04** | **163.32** |
| **26** | Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in Charge. | **Sqm** | **4.07** | **4975.06** |
| **27** | Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in Charge. | **SQm** | **3.96** | **5073.57** |
| **28** | Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. | **Sqm** | **117.48** | **141.10** |
| **29** | Supplying installation testing and commissioning of heavy duty compressor suitable for window/split type A/C 1.5Ton. complete as per the direction of engineer incharge of work | **No** | **12.00** | **14793.00** |
| **30** | Supplying of .. TR Invertor type split Air conditioners suitable for operation on A/C supply single phase 50 Hz 230 V with hermetically sealed inverter compressor with air cooled condenser, latest R410A /R-32 refrigerant fan motor, start & run capacitors, relay & over load protector internal unit, with one indoor & one outdoor unit Thecondenser unit will be placed outside the room avoid noise including standard length of suitable size copper tubing covered with nitrilerubber insulation tube. suitable capacity 3 core sheathed/ PVCcopper cable and a battery operated wireless remote unit..1.5 Ton capacity complete as per the direction of engineer incharge of work | **No** | **12.00** | **56355.00** |
| **31** | Supplying and installation of insulated refrigerant copper tubing of5/8" and 3/8" with polythene foam insulation 3 core 80 standcopper wiring between indoor and outdoor unit Leak testing oiland gas charging for additional piping length of tube Splitcomplete as per the direction of engineer incharge of work | **Mtr** | **72.00** | **1549.00** |

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| **32** | Supply erection, testing, commissioning of Cassette type split Air conditioners suitable for operation on single/three phase AC supply, hermetically sealed compressor with air cooled condenser motor capacitor start, capacitors run relay and over load protection, one ceiling mounted indoor unit and one outdoor condenser unit including standard accessories covered with insulation tube including battery operated cordless unit 2 TR Cassette 1 Ph complete as per the direction of engineer incharge of work | **No** | **2.00** | **78815.00** |
| **33** | Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test.complete as per the direction of engineer incharge of work | **No** | **1.00** | **5288.00** |
| **34** | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) **0 to 50m** | **Rmt** | **50.00** | **370.00** |
| **35** | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete ) **50 to 100 m** | **Rmt** | **50.00** | **464.00** |

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| **36** | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete )-**100 to 150 m** | **Rmt** | **50.00** | **493.00** |
| **37** | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete )-**150 to 200 m** | **Rmt** | **50.00** | **572.00** |
| **38** | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete )-**200 to 250 m** | **Rmt** | **50.00** | **671.00** |
| **39** | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete )-**250 to 300 m** | **Rmt** | **50.00** | **740.00** |
| **40** | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete )-**300 to 350 m** | **Rmt** | **50.00** | **868.00** |
| **41** | Providing and fixing PVC pipe - OD 250mm and 6 Kg/sqcmcomplete as per the direction of engineer incharge of work | **Mtr** | **10.00** | **1100.00** |

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| **42** | Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.prices include Collar-Medium duty. complete as per the direction of engineer incharge of work | **Mtr** | **10.00** | **1933.00** |
| **43** | Providing and fixing MS casing collars as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments complete as per the direction of engineer incharge of work | **Each** | **2.00** | **150.00** |
| **44** | Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per pecifications,as per necessary ammendments and instructions of engineer incharge of work. For 10.00 HP - 135 LPM @ 168 m = 12 STG Outlet Dia - 2.00"complete as per the direction of engineer incharge of work | **Each** | **1.00** | **43930.00** |
| **45** | Providing, laying and jointing HDPE pipes of specified grade and conforming to IS 4984-2016 with latest ammendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials with electrofusion welding, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bedns, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. complete. NOTE: Upto 110mm dia Coil shall be used. For :HDPE PE 80 PN 6.0 HDPE Grade PE80-PN6.0,110mm dia complete as per the direction of engineer incharge of work | **Mtr** | **340.00** | **515.90** |
| **46** | Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:2010. 3CX4.0 sq.mm complete as per the direction of engineer incharge of work | **Rmt** | **720.00** | **245.00** |
| **47** | Supply and delivery at site wrought middle steel (galvanized) GI elbow confirming to IS 1239-II, 1991 with latest amendments if any for:For 100 mm dia GI elbowcomplete as per the direction of engineer incharge of work | **No** | **1.00** | **490.00** |

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| **48** | Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 50-63 A DP | **No** | **1.00** | **1102.00** |
| **49** | Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG powder coated point of approved colour 32 amps | **No** | **1.00** | **1701.00** |
| **50** | Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 230/440VAC. 50 Hz 12/24V D.C. | **Each** | **1.00** | **515.00** |
| **51** | Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor. upto 12.5HP | **Each** | **1.00** | **7455.00** |
| **52** | Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motor upto 20 HP capacities. | **No** | **1.00** | **904.00** |
| **53** | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. I Group A 4sqmm | **Mtrs** | **15.00** | **63.00** |
| **54** | Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834. 3 phase, 400/440 V grade, for power factor improvement of rotating machineries like induction motor | **KVAR** | **2.00** | **480.00** |
| **55** | Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other quipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia.(complete as per the direction of engineer incharge of work | **Each** | **1.00** | **3510.00** |
| **56** | Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. In all kinds of soils. Depth upto 1.50m complete as per the direction of engineer incharge of work | **$m^3$** | **10.08** | **609.40** |

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| **57** | Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized,Steelstrips (except 2CX10q.mm wire armoured) as per IS-3975:1990 & extruded PVC outer sheathed armoured cable as per IS-1554 Part 1:1988 & confirming to GTP of GROUP-A 4 core 16 sqmm | **Mtrs** | **30.00** | **140.40** |
| **58** | Supplying heavy gauge PVC Conduit Pipe .... dia ..... mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary 32 mm dia 2.5 mm thick | **Mtr** | **30.00** | **99.00** |
| **59** | Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 63 amps | **No** | **3.00** | **401.00** |
| **60** | Earth work excavation for pipeline trenches in all kinds of soil by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & bonding rods at every 100 mm where ever necessary as directed, removal of slumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work and all other appurtenances to complete in the following strata. Ordinary/soft rock (without requiring blasting) Depth upto 1.50 m complete as per the direction of engineer incharge of work | **$m^3$** | **3.04** | **499.40** |
| **61** | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (external work ) - 50mm nominal OD pipes complete as per the direction of engineer incharge of work | **Mtr** | **15.00** | **793.10** |
| **62** | Providing and fixing normal gauge polythene pipes of approved quality with special flange pression type fittings of approved make including trench excavation and refilling etc. for EXTERNAL WORKS with: 50mm nominal bore pipes complete as per the direction of engineer incharge of work | **Mtr** | **15.00** | **152.90** |
| **63** | Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications.complete as per the direction of engineer incharge of work | **$m^3$** | **2.13** | **176.00** |
| **64** | Providing and fixing Brass full way valve gate with C.I. wheel of approved quality (screwed end) 65 mm nominal bore complete as per the direction of engineer incharge of work | **Each** | **2.00** | **1552.10** |
| **65** | BESCOM deposit Charges and miscellaneous(L/S) | **Nos** | **1.00** | **12000.00** |

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| **66** | Supplying, installing, testing and commissioning of Diesel Generator set with following specifications. Power rating as per standard reference condition as per-BS 5514/ISO 3046/ ISO 8528 & IS 1002/ISO 3046 Generator set specifications 82.5 KVA/66kwcomplete as per the direction of engineer incharge of work | **Set** | **2.00** | **785987.00** |
| **67** | Supply, Erection, testing and commissioning of AMF panel suitable for .....kVA DG set. The panel is of cubical type base/floor mounting control panel with hinged doors, undrilled bottom gland plate, aluminium Bus Bar with the accommodation for .....A 4 pole contactor for alternator with thermal O/L relay,..... A 4 pole contactor for mains, HRC fuse for short circuit protection, Microprocessor based AMF module with supply failure timer, Restoration timer, 3 impulse automatic engine start/stop logic, Mains/generator voltage, ....capacity bypass switch and frequency sensing, PCC 1301controller with water temperature/Lube oil pressure/ engine speed, Voltage/ampere/Frequency/ kVA, Running-hour count, No of starts, Fault indication, over / under speed, Fails to start, Low oil pleasure, High engine temperature, Under/over voltage, over current, Earth fault relay, with indications for Mains on, Load on Mains, Battery charger on Push buttons AMF module by pass Mode, Battery charger unit with inbuilt Auto/Manual and Flat/Boost facility. The complete set shall have sufficient safety and adhere to NEC, NBC 2016, IEC, CPWD specifications, PCB norms and KSGEI Acts and Rules 82.5 KVA to 125 KVA complete as per the direction of engineer incharge of work | **Each** | **2.00** | **109531.00** |
| **68** | 1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part 1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 95 Sqmm, 3.5 Core, (21 GI Strips - 4 x 0.8 mm) | **KM** | **0.09** | **373215.00** |
| **69** | Supplying fixing and wiring earth electrode for grounding of lifts,transformers, DG sets etc. using 40 mm dia 2.9 mm thick 2.5m long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode.The funnel should be enclosed in a CC chamber of 400x400x400 mm with a cast iron cover. The earth electrode shall have staggered holes of 12 mm dia and the electrode should be covered 150 mm all-round with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts.complete as per the direction of engineer incharge of work | **Each** | **12.00** | **4256.00** |
| **70** | Digging of Pit for providing GI Pipe type Earthing .Hard Soil complete as per the direction of engineer incharge of work | **Per Pit** | **12.00** | **2990.00** |
| **71** | GI/Copper strips for grounding connections, using necessary fixing materials as required. 25 x 6 mm GI strip complete as per the direction of engineer incharge of work | **M** | **60.00** | **128.00** |

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| **72** | Copper Fittings: Supply, Installation, Testing and Commissioning : All copper pipes should be Solid drawn, seamless, deoxidized, non arsenical, half hard, tempered and degreased materials conforming to BS:EN :13348:2001 + A1:2005. Fittings should be made of copper and suitable for a stem of working pressure of 17 bar and Should confirm to BS 864 with specially made for brazed socket type connections. Copper Pipe 35mm. ODx1.2 mm.thick. ---- ---- -- With all lead and lifts etc., complete as per specification and as per the directions of Engineer in charge of the work( Approved Rate) | **Rmt** | **80.00** | **2465.00** |
| **73** | Copper Fittings: Supply, Installation, Testing and Commissioning : All copper pipes should be Solid drawn, seamless, deoxidized, non arsenical, half hard, tempered and degreased materials conforming to BS:EN :13348:2001 + A1:2005. Fittings should be made of copper and suitable for a stem of working pressure of 17 bar and Should confirm to BS 864 with specially made for brazed socket type connections. Copper Pipe 28mm. ODx1.2 mm.thick. ---- ---- -- With all lead and lifts etc., complete as per specification and as per the directions of Engineer in charge of the work( Approved Rate) | **Rmt** | **80.00** | **1740.00** |
| **74** | ACCESSORIES ALONG WITH CALIBRATION CERTIFICATES. Oxygen Flow meter with Humidifier Bottle: *Flow meter should be Backpressure Compensated. Flow meter should be accurate gas flow measurement and control within a range of 0-15 liters per minute. It should meet strict precision and durability standards. Flow meter body should be made of brass material. Flow tube and shroud components should be made of clear, impact resistant polycarbonate. The humidifier bottle should be unbreakable polycarbonate material and autoclavable at 134 degrees centigrade. The humidifier should have built in safety valve. With Calibration CertificateÃ¢â‚¬â„¢s. ---- ---- -- With all lead and lifts etc., complete as per specification and as per the directions of Engineer in charge of the work( Approved Rate) | **Each** | **10.00** | **1740.00** |
| **75** | Single piece wall mounted suction collection & regulation unit. With jar capacity of 600ml each shall be provided at each of the bed side. Jars are should be made of autoclavable materials. The units shall be clamped to the wall using suitable clamps. With Calibration Certificateâ€™s. ---- ---- -- With all lead and lifts etc., complete as per specification and as per the directions of Engineer in charge of the work( Approved Rate) | **Each** | **13.00** | **2465.00** |
| **76** | ISOLATION VALVES: Should be 900 turn, ball valves of brass body, duly chrome plated on the outer periphery, SS ball with high quality Teflon seated, connected to pipeline with brass ferrule for easy maintenance. ID of the copper pipe and the ball valve should have same dimensions to avoid the flow friction Isolation Valves 35 mm ---- ---- -- With all lead and lifts etc., complete as per specification and as per the directions of Engineer in charge of the work( Approved Rate) | **Each** | **5.00** | **4060.00** |

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| **77** | ISOLATION VALVES: Should be 900 turn, ball valves of brass body, duly chrome plated on the outer periphery, SS ball with high quality Teflon seated, connected to pipeline with brass ferrule for easy maintenance. ID of the copper pipe and the ball valve should have same dimensions to avoid the flow friction Isolation Valves 28 mm ---- ---- -- With all lead and lifts etc., complete as per specification and as per the directions of Engineer in charge of the work( Approved Rate) | **Each** | **4.00** | **3190.00** |
| **78** | Compressed Air Outlets 4 Bar / 7 Bar- drops of 10 mm dia copper pipe terminated properly DIN type valves which have a parking facility which also avoids interchanging of outlets and keys(Gas specific probes) ---- ---- -- With all lead and lifts etc., complete as per specification and as per the directions of Engineer in charge of the work( Approved Rate) | **Each** | **12.00** | **2465.00** |

**Note:**

(1) Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities (refer: ITB Clause 11.2 and CC Clause 37.2).

(2) Unit rates and prices shall be quoted by the Tenderer in Indian Rupees.

(3) GST shall be paid separately.

## SECTION 10: FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To: ……..*[name of Employer]*
……. *[address of Employer]*

WHEREAS …….. *[name and address of Contractor]* (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. …….. dated : ……. to execute ……..*[name of Contract and brief description of Works]* (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs. ……..*[amount of guarantee]* [14]_Rupees……*[in words]*, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of …… *[amount of guarantee]*[15] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____